



Recording data density in each region in read only information recording medium

Parameter		Single layer	Dual layer
• User data capacity		15 Gbytes/side	30 Gbytes/side
• Wavelength of laser diode		405 nm	
• Number of openings of objective lens		0.65	
• Data bit length	System lead-in area	0.306 $\mu$ m	
	Data lead-in area	0.153 $\mu$ m	
	Data area		
	Data lead-out area		
• Channel bit length	System lead-in area	0.204 $\mu$ m	
	Data lead-in area	0.102 $\mu$ m	
	Data area		
	Data lead-out area		
• Minimum bit length	System lead-in area	0.408 $\mu$ m	
	Data lead-in area	0.204 $\mu$ m	
	Data area		
	Data lead-out area		
• Maximum bit length	System lead-in area	2.652 $\mu$ m	
	Data lead-in area	1.326 $\mu$ m	
	Data area		
	Data lead-out area		
• Track pitch	System lead-in area	0.68 $\mu$ m	
	Data lead-in area	0.40 $\mu$ m	
	Data area		
	Data lead-out area		
• Disk diameter		120 mm	
• Disk thickness		1.20 mm	
• Cover layer thickness		0.6 mm	
• Center hole diameter		15.0 mm	
• Inner diameter of data area		24.1 mm	
• Diameter of data area		58.0 mm	
• User data or sector		2048 bytes	
• Error correction code		Reed solomon multiplication code	
• ECC restriction sector		RS (208, 192, 17) $\times$ RS (182, 172, 11)	
• Modulation		32 sectors	
		ETM, RLL (1, 10)	
• Correctable burst error length		7.1 mm	
• Reference scan speed		6.61 m/s	
• Channel bit rate with reference speed	System lead-in area	32.40 Mbps	
	Data lead-in area	64.80 Mbps	
	Data area		
	Data lead-out area		
• User bit rate with reference speed	System lead-in area	18.28 Mbps	
	Data lead-in area	36.55 Mbps	
	Data area		
	Data lead-out area		

FIG. 90